Attorney Docket No. 42505-200124 Application No. 10/579,435 (Filed May 15, 2006)

Reply to Office Action dated April 10, 2007

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph after the heading "<u>Background of the Invention</u>" on page 1 with the following rewritten paragraph:

As we all know, in a full-size passenger car and a sport car, a front windshield and a rear workbench structure are provided at the front side and the rear side of a cabin respectively. The rear structure, such as a separator wall or plate, separates the cabin from the trunk of the car. A rear windshield is provided above the rear side of the rear workbench structure. Door frames are provided at both sides of the cabin. A surrounding border of the cabin is formed by connecting the car door frames with the front windshield at the front side and connecting the car door frames with the rear workbench structure and the rear windshield at the rear side. A fixed cabin roof cover plate is provided above the front windshield, the door frames and the rear windshield. In a compact car, a front windshield and a rear surrounding border are provided at the front side and the rear side of a cabin respectively. The door frames are provided at both sides of the cabin. A surrounding border of the cabin is formed by connecting the car door frames with the front windshield at the front side and connecting the car door frames with the rear surrounding border at the rear side. A fixed cabin roof cover plate is provided above the front windshield, the door frames and the rear surrounding border. The front and rear parts of the roof cover plate of the car cabin have substantially the same height. In comparison with a sport car, the car with a fixed cabin roof cover plate, which has substantially the same height in the front and rear, provides lower traveling speed, poor stability and high fuel consumption. To reduce the resistance and the fuel consumption, and to increase the traveling speed and improve stability, the backward slope of the cabin roof plate of a sport car is large, the rear part of the cabin roof plate is much lower than the part. The sport car with a fixed cabin roof plate, which has large backward slope and has a much lower height in the rear side than in the front side, can not provide enough space in the back seat for adult people, and only children and pets can be fitted into the back seat.

Please replace the paragraph beginning at page 2, line 9 with the following rewritten paragraph:

To achieve the object of the invention, there is provided a roof cover plate for the cabin of a car, a front windshield be provided at the front side of the cabin, a rear workbeneh structure or rear surrounding border being provided at the rear side of the cabin, and car door frames being provided at the left and right sides of the cabin, an surrounding border of the cabin being formed by connecting the car door frames with the front windshield at the front side and connecting the car door frames with the rear workbeneh structure or the rear surrounding border at the rear side, wherein the front end of a cover panel being hinged to the upper portion of said surrounding border of the cabin, and the cover panel being provided with a rear windshield at its rear portion, the cover panel and the rear windshield forming an integral roof cover plate of the cabin, an extendable and retractable enclosure plate being provided under the roof cover plate of the cabin, the lower end of the extendable and retractable enclosure plate being connected with the surrounding border of the cabin, a raising and lowering device being provided under the rear end of the roof cover plate of the cabin.

Please replace the three (3) paragraphs after the heading "<u>Detailed Description of the Preferred Embodiments</u>" with the following rewritten paragraphs:

Embodiment 1

Figs. 1 and 2 show the roof cover plate for the cabin of a car. A front windshield 1 is provided at the front side of the cabin, and a rear workbeneh structure 6 is provided at the rear side of cabin. The car door frames 3 are connected with the front windshield 1 at the left and right sides of the cabin. The car door frames 3 are connected with the front windshield 1 at the front side, and are connected with the rear workbeneh structure 6 at the rear side, thus forming the surrounding border of the cabin. The front end of a cover panel 2 is hinged to the upper portion of the surrounding border which is located above the front windshield, as shown in Fig. 1. The connection of the cover panel 2 at a location above the front windshield can be achieved by means of a hinge, rubber or plastic etc. which functions as a hinge joint, so that the cover panel 2 can be raised and lowered. The cover panel 2 is provided with a rear windshield 5 at its rear portion, and forms an integral roof cover plate of the cabin together with the rear windshield 5 so as to be raised and lowered simultaneously. An extendable and retractable enclosure plate 4 is provided under the roof cover plate, and the lower end of the extendable and retractable enclosure plate 4 is connected with the surrounding border of the cabin to form a sealed cabin. The cabin roof cover plate can be lowered onto the surrounding border of the cabin by pressing the extendable and retractable enclosure plate 4. The extendable and

retractable enclosure plate 4 may be made of plastic, rubber, canvas or corrugated plate etc.. As shown in Fig. 1, the extendable and retractable enclosure plate 4 is a corrugated plate which can extend and retract in the up and down direction, so that the cabin roof cover plate can be raised or lowered. The backward slope of the door frames 3 can be large; the rear portion of the door frames 3 can be much lower than the front portion, such configuration contributes to the faster traveling speed, excellent stability, less fuel consumption, simple structure, and low manufacturing cost. When raising the cabin roof cover plate, there is enough space in the back seat for adult people, the car can be used as a passenger car. When the cabin roof cover plate is lowered onto the surrounding border of the cabin by pressing the extendable and retractable enclosure plate 4, the car can be used as a sport car. Thus, such a car can be used as a passenger car or a sport car. A raising and lowering device is provided under the rear end of the cabin roof cover plate. As shown in Fig. 2, the raising and lowering device comprises a motor 14 installed on the rear workbench structure 6. A fixed base 7 can be provided on the rear side of the rear workbench structure 6 and can be fixed to the rear side of the rear workbench structure 6 through blots bolts 8, and the motor 14 is hinged to the fixed base 7 through a hinge shaft 9, so that the raising and lowering device is hinged to the rear workbench structure 6. The motor 14 is provided with a worm 13 which engages with a worm wheel 12, the worm wheel is formed with a nut at its center; and a push rod 10, which is a thread rod, is connected with the nut and is hinged to the rear end of the cabin roof cover plate at its upper end. The push rod 10 can be hinged to the rear end of the cabin roof cover plate by means of self-contained cardan joint. The fixed base 7 can also be fixed on the door frames 3, and the motor 4 is hinged to the fixed base 7, so that the raising and lowering device is hinged to the door frames 3. During the operation, the motor 14 is operated so as to rotate the worm 13 in counterclockwise direction or clockwise direction, the worm 13 in turn rotates the worm wheel 12, thus raising or lowering the push rod 10 so as to raise or lower the cabin roof cover plate while extending or retracting the extendable and retractable enclosure plate 4. This facilitates raising and lowering the cabin roof cover plate.

Embodiment 2

Figs. 3 and 4 show the roof cover plate for the cabin of a car. A front windshield 1 is provided at the front side of the cabin, and a rear workbeneh structure 6 is provided at the rear side of the cabin. The car door frames 3 are provided at the left and right sides of the cabin. The car door frames 3 are connected with the front windshield 1 at the front side, and are connected with the rear workbeneh structure 6 at the rear side, thus forming the surrounding border of the cabin. The front end of a cover panel 2 is hinged to the upper portion of the surrounding border of the cabin. As

shown in Fig. 3, a fixed cover panel 15 is fixedly connected to the upper end of the front windshield 1 and the upper end of the front portion of the car door frames 3, the front end of the cover panel 2 is hinged to the rear end of the fixed cover panel 15, and the front end of the cover panel 2 can be hinged to the rear end of the fixed cover panel 15 by means of a hinge, rubber or plastic etc. which functions as a hinge joint, so that the cover panel 2 can be raised and lowered. The cover panel 2 is provided with a rear windshield 5 at its rear portion, and forms an integral roof cover plate of the cabin together with the rear windshield 5 so as to be raised and lowered simultaneously. An extendable and retractable enclosure plate 4 is provided under the roof cover plate, and the lower portion of the extendable and retractable enclosure plate 4 is connected with the surrounding border of the cabin to form a sealed cabin. The cabin roof cover plate can be lowered onto the surrounding border of the cabin by pressing the extendable and retractable enclosure plate 4. The extendable and retractable enclosure plate 4 may be made of plastic, rubber, canvas or corrugated plate etc.. As shown in Fig. 3, the extendable and retractable enclosure plate 4, which can be formed by plastic or rubber or canvas and etc, can extend and retract in the up and down direction, so that the cabin roof cover plate can be raised or lowered. The backward slope of the door frames 3 can be large; the rear portion of the door frames 3 can be much lower than the front portion, such configuration contributes to the faster traveling speed, excellent stability, less fuel consumption, simple structure, and low manufacturing cost. When raising the cabin roof cover plate, there is enough space in the back seat for adult people, the car can be used as a passenger car. When the cabin roof cover plate is lowered onto the surrounding border of the cabin by pressing the extendable and retractable enclosure plate 4, the car can be used as a sport car. Thus, such a car can be used as a passenger car or a sport car. A raising and lowering device is provided under the rear end of the cabin roof cover plate. As shown in Fig. 4, the raising and lowering device comprises a hydraulic cylinder 18 provided on the rear side of the rear workbench structure 6. A fixed base 7 can be provided on the rear side of the rear workbench structure 6 and can be fixed to the rear workbench structure 6 through blots bolts 8, and the hydraulic cylinder 18 is hinged to fixed base 7 through a hinge shaft 9, so that the raising and lowering device is hinged to the rear workbench structure 6. The hydraulic cylinder 18 is provided with a push rod 10 which is a piston rod, the upper end of the push rod 10 is hinged to the rear end of the cabin roof cover plate. A fork-like base 16 can be provided at the rear end of the cabin roof cover plate. The push rod 10 is hinged to the fork-like base 16 through a hinge shaft 17. The fixed base 7 can also be fixed on the car door frames 3, and the hydraulic cylinder 18 is hinged to the fixed base 7, so that the raising and lowering device is hinged to the car door frames 3. During the operation, the hydraulic cylinder 18 is operated to raise or lower the push rod 10, so as to

raise or lower the cabin roof cover plate while extending or retracting the extendable and retractable enclosure plate 4. This facilitates raising and lowering the cabin roof cover plate.

Embodiment 3

Figs. 5, 6 and 7 show the roof cover plate for the cabin of a car. A front windshield 1 is provided at the front side of the cabin, and a rear surrounding border is provided at the rear side of cabin. The car door frames 3 are provided at the left and right sides of the cabin. The car door frames 3 are connected with the front windshield 1 at the front side, and are connected with the rear surrounding border at the rear side, thus forming the surrounding border of the cabin. The front end of a cover panel 2 is hinged to the upper portion of the surrounding border which is located above the front windshield 1, as shown in Fig. 5. The connection of the cover panel 2 at a location above the front windshield can be achieved by means of a hinge, rubber or plastic etc. which functions as a hinge joint, so that the cover panel 2 can be raised and lowered. The cover panel 2 is provided with a rear windshield 5 at its rear portion, and forms an integral roof cover plate of the cabin together with the rear windshield 5 so as to be raised and lowered simultaneously. An extendable and retractable enclosure plate 4 is provided under the roof cover plate, and the lower end of the extendable and retractable enclosure plate 4 is connected with the surrounding border of the cabin. The cabin roof cover plate can be lowered onto the surrounding border of the cabin by pressing the extendable and retractable enclosure plate 4. The extendable and retractable enclosure plate 4 may be made of plastic, rubber, canvas or corrugated plate etc.. As shown in Fig. 5, the extendable and retractable enclosure plate 4 is a corrugated plate which can extend and retract in the up and down direction, so that the cabin roof cover plate can be raised or lowered. The backward slope of the door frames 3 can be large; the rear portion of the door frames 3 can be much lower than the front portion, such configuration contributes to the faster traveling speed, excellent stability, less fuel consumption, simple structure, and low manufacturing cost. When raising the cabin roof cover plate, there is enough space in the back seat for adult people, the car can be used as a passenger car. When the cabin roof cover plate is lowered onto the surrounding border of the cabin by pressing the extendable and retractable enclosure plate 4, the car can be used as a sport car. Thus, such a car can be used as a passenger car or a sport car. Raising and lowering devices are provided under rear end of the cabin roof cover plate, and as can be seen from the figures, the cabin roof cover plate and the extendable and retractable enclosure plate 4 are each provided with their own raising and lowering devices, which are respectively provided under the rear end of the cabin roof cover plate and the rear end of the extendable and retractable enclosure plate. As shown in Fig. 6, the raising and lowering devices,

which are provided under the rear end of the cabin roof cover plate, comprise a hydraulic cylinder 18 which is provided on each of the car door frames 3 at the rear side of the car door frames 3. A fixed base 7 can be provided on each of the car door frames 3 at the rear side of the car door frames 3, and the fixed bases can be fixed to the left and right door frames 3 through blots bolts 8, and the hydraulic cylinders 18 are hinged to the fixed bases 7 through a hinge shaft 9, so that the raising and lowering devices are hinged to the left and right door frames 3 at the rear side of the left and right door frames 3. The hydraulic cylinders 18 are each provided with a push rod 10 which is a piston rod, the upper end of the push rod 10 is hinged to the rear end of the cabin roof cover plate. Fork-like bases 16 can be provided on the cabin roof cover plate, and the push rods 10 are hinged to the forklike bases 16 through a hinge shaft 17. As shown in Fig. 7, the raising and lowering devices, which are provided under the rear end of the extendable and retractable enclosure plate 4, comprise a hydraulic cylinder 21 which is provided on each of the car door frames 3 at the rear side of the car door frames 3. A fixed base 19 can be provided on each of the car door frames 3 at the rear side of the car door frames 3, and the fixed bases can be fixed to the door frames 3 through blots bolts 20, and the hydraulic cylinders 18 are hinged to the respective fixed bases 19 through a hinge shaft 25, so that the raising and lowering devices are hinged to the left and right door frames 3 at the rear side of the left and right door frames 3. The hydraulic cylinders 21 are each provided with a push rod 22 which is a piston rod, the upper end of the push rod 22 is hinged to the underside of the rear end of the extendable and retractable enclosure plate 4. Fork-like bases 24 can be provided on the extendable and retractable enclosure plate 4, and the push rods 22 are hinged to the fork-like bases 24 through a hinge shaft 23. During the operation, the hydraulic cylinders 21 of the raising and lowering devices of the extendable and retractable enclosure plate 4 are operated to raise the push rods 22, and the hydraulic oil in the hydraulic cylinders 18 of the raising and lowering device of the cabin roof cover plate is discharged from the oil pipe, so as to raise the extendable and retractable enclosure plate 4 and the cabin roof cover plate, thus a sealed cabin is formed and the car can be used as a passenger car. The hydraulic cylinders 18 of the raising and lowering devices of the cabin roof cover plate are operated to lower the push rods 10, and the hydraulic oil in the hydraulic cylinder 21 of the raising and lowering devices of the extendable and retractable enclosure plate 4 is discharged from the oil pipe, the cabin roof cover plate is lowered onto the surrounding border of the cabin by pressing the extendable and retractable enclosure plate 4 and forms a sealed cabin, and such car can be used as a sport car. When the rising raising and lowering devices of the extendable and retractable enclosure plate 4 do not operate, and the hydraulic cylinders 18 are operated to raise the push rods 10 and thus raise the cabin roof cover plate, a cabin opening to the outside is formed, then

it is possible to load and unload goods or ventilate the cabin. The cabin roof cover plate can be conveniently raised and lowered.